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اللغـة العربيـة

مراجعة الشاطر على امتحان أكتوبــر

مراجعة الشاطر على امتحان نوفمبـر

مراجعة الشاطر على امتحان نصف العام

Test (1)

First: Complete the following:

$$(400 \times 0.7) - 250 = \dots$$

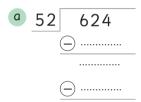
$$65,600 = (70 \times 40) + 140 \times \dots$$

Second: Choose the correct answer:

Compare by using (<), (>) or (=):

$$39,600 \div 480$$

Find the quotient and the remainder (if any) for each of the following:



32 6,880

15

C



4,817

.....

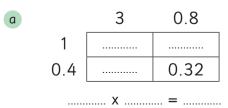
.....

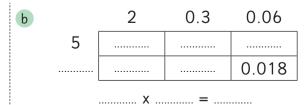
The quotient =

The quotient =

The quotient = The remainder =

- If the price of 74 notebooks is 1,036 pounds, what is the price of 25 notebooks of the same kind?
- Complete the missing numbers in the following area models, then find the product that each model represents.





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Test (2)

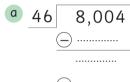
First: The product of $16 \times 7 = 112$, so find the product of the following:

$$41,600 \times 0.07 = \dots$$

$$61.6 \times 0.7 = \dots$$

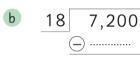
Second: Complete the following:

Find the quotient and the remainder (if any) for each of the following by using the standard algorithm:



(**—**)

The quotient =



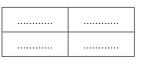
The quotient =



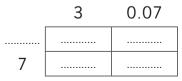
The quotient The remainder =

- Complete the following:
 - a If any decimal number is multiplied by 10, the decimal point moves (right or left)
 - b If any decimal number is multiplied by 0.01, the decimal point moves left.
 - The estimation of the quotient 3,540 ÷ 35 is
- Find the product of multiplication by using the area model:





b 47 x 3.07



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Maryam's family saved money to spend a 5-day vacation in Sharm El-Sheikh and they had two hotels to choose between them. The cost of one night in the first hotel is 3,450 pounds, while the cost of one night in the second hotel is 4,275 pounds. If the family's budget is 20,000 pounds, in which hotel can they spend their vacation? How much will they pay for the hotel they have chosen?

Test (3)

1 First: Choose the correct answer:

Maths

- 1 2.515 x 0.2 =
 - a 0.0503
- **b** 5.0300

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- c 0.503
- d 50.3

- **2** 1.4076 ÷ 0.23 =
 - a 61.2
- b 6.12
- c 0.612
- d 612

Second: Find the product of the following by using the standard algorithm:

2 First: Complete the following:

Second:Which model of the following matches the multiplication algorithm 2,050 \times 34:

3 Put (>), (<) or (=):

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مراجعة الشاطر على امتحان نصف العـاح

Find the quotient by using the area model:

	3	3,712			
32			\bigcirc	320	192
		512			0

The distance between Cairo and Sharm El-Sheikh is 540 kilometers, and the car covered it in 3 parts. In the first part, it covered 130 kilometers, and in the second part, it covered 98 kilometers. What is the distance it will cover in the third part?

Test (4)

Complete the following:

- 2 If y + 3.16 = 2.9 + 5.73, so $y = \dots$
- **3** 32.547 ≈

(To the nearest Hundredth)

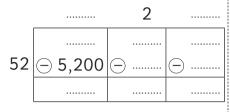
Find the product, then match it to its equivalent.

Complete by using the area model:

$$27 \times 89 = (\dots \times \dots) + (\dots \times \dots) + (\dots \times \dots) + (\dots \times \dots) + (\dots \times \dots)$$

مراجعة الشاطر على امتحان أكتوبــر

Complete the missing numbers, then find the quotient:



(The remainder is 26)

1,134 9,234 81 (-) ☐ 162 324 162 0

Murad's step length is 6.9 decimeters. What is the distance that he will walk (in meters) after taking 1,000 steps?

Test (5)

First: Choose two reasonable estimations for the product of 208 x 32 from the following equations:

$$1200 \times 30 = 6,000$$

$$210 \times 30 = 6,300$$

$$3200 \times 35 = 7,000$$

$$4210 \times 35 = 7,350$$

Second: Which of the following estimation strategies is to estimate the result of multiplying 345×82 if the estimation is 28,000:

- Using the strategy of estimating the number through the first digit from the left.
- D Rounding each number to the nearest Ten.
- C Rounding each number to its greatest place value.
- d Rounding each number to the nearest Hundred.

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2 Use the standard algorithm to find the product of the following by placing each product from the answer bank in the correct column of the following table. One product will remain:

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	67		23		45
X	25	X	55	X	33

Answer Bank
1,265
1,485
1,535
1,675

3 When multiplying a one-digit whole number by 10,000 the place value of the number changes:

From:	Ten Thousands	Hundreds	Tens	Ones
To:	Ten Thousands	Hundreds	Tens	Ones

- 4 A merchant bought 20 boxes of tangerines for 1,780 pounds, and sold all the boxes for 150 pounds each. The merchant followed the steps below to find out what he earned:
 - 1 He solved the equation 20 x 150 = y
 - 2 He calculated the product 1,780 + y
 - 3 He found out that he earned 4,780 pounds. Is there a mistake in the merchant's solution? What is it?
 - In step 1: He should have divided the numbers instead of multiplying them.
 - b In step 2: He should have subtracted the values instead of adding them.
 - c In step 3: The merchant made a mistake in addition when he calculated his profit.
 - d The merchant didn't make any mistake.

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5 First: Use the area model to find the products of the following:

Second: Use the standard algorithm to find the products of the following:

a

2.7

× 5.4

b

2.05

x 52

.....

C

54.23

<u>X</u> 5.4

.

Answers

Test 1

- 1 First:
- 1,000
- **2**80
- **3** 900

- 4 0.566
- 60280 250 = 30
- 6 20

- Second: 10 b
- **2** b

2 1 =

0 -

3 <

4 <

- **3** a 12
- b 215
- © 321 (The Remainder is 2)
- 4 The price of the notebook: $1,036 \div 74 = 14$ pounds

The price of 25 notebooks = $25 \times 14 = 350$ pounds

5 a

	3	8.0
1	3	0.8
0.4	1.2	0.32

 $1.4 \times 3.8 = 5.32$

b

	2	0.3	0.06
5	10	1.5	0.30
0.3	0.6	0.09	0.018

 $5.3 \times 2.36 = 12.508$



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Test 2

1 First:

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11.2 **4** 112

Maths

2 112

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- 6 1,120
- **3** 11.2 6 1.12

Second: a 3.600

Science

- b 790
- c 0.85

c 65 (The Remainder is 2)

21

d 27

- **2** a 174 3 a right
- b 400
- b two places
- c 100

7

- **4** a
 - 40 5 2 80 10 12 0.3 1.5
 - $2.3 \times 45 = 103.5$

b 3 0.07 40 120 2.8

0.49

5 The first hotel, the cost = 17,250 pounds

Test 3

- 1 First:
- **1** c
- **2** b
- **Second:** 10.356
- **2** 1.8

- 2 First:
- 1 259.603
- **2** 18

- Second: c
- 3 1 <

2>

4 >

- **4 a** 3.15
- b 116
- **5** 312 km

Test 4

- 1 a hundredth
- y = 5.47
- c 32.55
- **2** $3.025 \times 42 = 127.05 = 237 109.95$, $4.49 \times 15 = 127.35 = 98.4 + 28.95$ $1912.5 \div 15 = 127.5 = 1.275 \times 0.1$
- 3 $27 \times 89 = (20 \times 80) + (20 \times 9) + (7 \times 80) + (7 \times 9)$
- 4 a 103 (The Remainder is 26)
- b 114

 $50.69 \times 1,000 = 690 \text{ meters}$

Test 5

- 1 First:
- 1,2
- Second: b
- **2** 1,675 , 1,265 , 1,485
- 3 From Ones to Ten Thousands
- 4 b
- 5 First:
- a 40.6

b 133

Second: a 14.58

b 106.6

c 292.842

Concept (3-1) Models for Multiplication

Lesson (1): The Power of Ten:

Jumping by Powers of Ten Solve.



Matching Expressions Choose from the given expressions to enter the one that is equal to the number.

$$5 \times 100$$
 10×5 $100,000 \times 5$ $5 \times 1,000$ $5 \times 10,000$



 A crate of mangoes weighs 9 kilograms. How many kilograms would 1,000 crates weigh?



Use basic facts and patterns to find each product.

b. 14 × 1 =

c. 50 × 1 =



Fill in the blanks below.



Lesson (2): Using the Area Model to Multiply:

Multiplying Tens How many times will 10 need to be multiplied by itself to equal each given number?

- 1. 100
- 2. 1,000
- 3. 10,000
- 4. 100,000



Whiteboard: Expanding Equations Work with your teacher and classmates to create area models and find each product.

$$374 \times 62$$

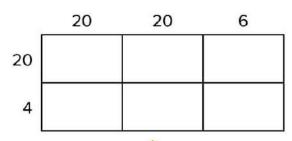
 506×42

	70		
, —	140		



Decompose with Area Model Eman is planting a garden. She wants to find the area of the garden to know how much topsoil she will need. The garden is 46 meters long and 24 m wide. How many different ways can you decompose the numbers to help her find the area?

Example:





Complete each of the following area models.

a.

	30	8
10		
6		

b.



19 × 62 =

		100	70	5
c.	80			
	2			

		300	60	1
d.	50			
	6			



Lesson (3): The Distributive Property of Multiplication:

Use the Distributive Property of Multiplication and area model to find the product of each of the following.

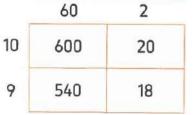
a.
$$14 \times 27 =$$

 $[10 \times 20] + [10 \times -] + [- \times 20]$
 $+ [4 \times -] =$ ----

_	20	7
10	200	70
4	80	28











Lesson (4): Using the Partial Products Model to Multiply:

Find the product using the partial products.

a.

b.



Homework

2. If 10 millimeters makes 1 centimeter, how many millimeters are in 7 centimeters?



3. There are 1,000 milliliters in 1 liter. Omar bought a 2-liter bottle of juice. How many milliliters are in the bottle?



4. Aya ran a 5-kilometer race on Saturday. If there are 1,000 meters in 1 kilometer, how many meters did she run?





Find each product of the following.

- a. 3 × 10 =
- c. 🛄 1,000 × 6 =
- e. 2 × 100,000 =
- g. 10 × 18 =
- i. 13 × 1,000 = _____
- k. 100 × 12 =
- **m**. 15 × 100,000 =

- b. 6 × 100 =
- d. (1) 3 × 10,000 =
- f. 10,000 × 5 =
- h. 30 × 100 =
- j. 70 × 10,000 =
- L. 60 × 1,000 =
- n. 80 × 100,000 =



Fill in the blanks below.

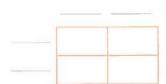
- **a.** 7 cm = _____ mm
- c. 8L= ____mL
- e. 5 kg = g
- **g.** 7 km = ____ cm

- **b.** 3 km = _____ m
- **d.** 9 m = cm
- f. 20 L = ____mL
- **h**. 50 m = _____mm



Expanding Equations. Create an area model for each of the following problems and find each product.

a. 21 × 64 =



b. 103 × 72 =





$$[20 \times 30] + [-- \times --] + [-- \times --] + [4 \times 7] = ---$$

	30	7
20	600	140
4	120	28





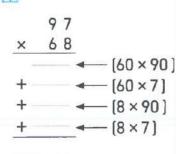
Complete the area model and evaluate.

a.
$$(50 \times 30) + (50 \times 4) + (7 \times 30) + (7 \times 4) = -$$

-	30	4
ŀ		200
	210	



Solve using the partial products.



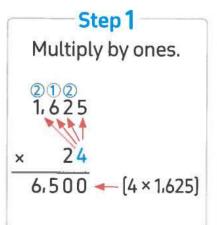
50

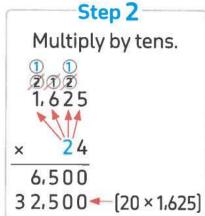




Concept (3-2) Multiplying 4-Digit Number by 2-Digit Number

Lesson (5): What Is an Algorithm?







	del	Partial Products Model	Multiplication
40	5	45	1 %
200	150	$(30 \times 40) = 1,200$	45 × 37
280	35	$(30 \times 5) = 150$	315
		$(7 \times 40) = 280$	+ 1,350
			1,665
	200	200 150	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$



Akram says that 34×69 will give you the same product as (34×70) – 34. Do you agree or disagree? Why?





Fill in the area model starting at letter A.

a. 1 20 6

D. C.

B. A.

Final product:	
----------------	--

b.		70	8
5	D .	C.	
į	B.	A.	

Final product:



Lesson (6): Multiplying Multi-Digit Numbers:

Determine the values of the missing digits and then find the final product.

a. 🛄

b

C.



Solve the following. First by estimate by round to the greatest place value, second use standard algorithm to find the actual product.

a.

	8	8	8	Estimate →
×		2	9	-

b.

C



Choose the correct answer.

1. 17 × 18 (

20 × 11

A. >

B. <

C. =

2. What is the Ones digit in the product of 37 × 124?

A. 2

B. 3

C. 6

D. 8

3. The product of 372 × 52 is close to —

A. 20,000

B. 15,000

C. 7,000

D. 10,000

4. 831 × 49 is close to

A. 30,000

B. 32,000

C. 50,000

D. 40,000

5. The missing number in the product is

A. 2,882

B. 10,122

C. 2,892

D. 2,880

723

× 14

+7,230

10,122

6. 327 × 53 199 × 43

A. >

B. <

C. =



Lesson (7): Multiplication Problems in the Real World:

Sandwiches at the diner are 24 pounds, a salad costs 3 pounds and a glass of juice is 8 pounds. A Family went to the diner and order 3 sandwiches, 2 salads and 3 glasses of juice.



- a. How much will the family pay for the 3 sandwiches?-
- b. How much will the family pay for the 2 salads?
- c. How much will the family pay for the 3 glasses of juice?
- d. How much is the total bill?





Shirts in the seasons costs 185 pounds. Sweaters cost

270 pounds. Yara and her friends bought 12 shirts and

13 sweaters.

- a. How much will they pay for the shirts?
- b. How much will they pay for the sweaters?
- c. How much is their bill?



For Wael's baklava syrup, he needs 250 milliliters of honey, 15 mL of orange extract, and 30 mL of lemon juice per recipe. How many total milliliters of liquid ingredients will he need for the sauce if he needs to make 18 batches?



Mona uses 1,133 grams of sugar daily. How many grams does she use in 30 weeks?



Homework

1. Use standard algorithm strategy to find the result.

a.	35	X	862
----	----	---	-----







5th prim T1 P1

Mr. Mahmoad Moheb

	300	60	7
20	F.	E.	D.
9	C.	В.	A.

Final product:

d.

	500	40	6
10	F.	E.	D.
8	C.	В.	A.

Final product: -



Find the result using standard algorithm.



Estimate the product.

c.
$$586 \times 69$$



Mona makes freshly squeezed lemonade each day for her customers. She uses 6 lemons for each liter of lemonade. She makes 8 liters of lemonade a day. After 365 days, how many lemons has she used?

How many liters of lemonade does she make in 365 days?



For Wael's baklava syrup, he needs 250 milliliters of honey, 15 mL of orange extract, and 30 mL of lemon juice per recipe. How many total milliliters of liquid ingredients will he need for the sauce if he needs to make 18 batches?



Concept (4-1) Models for Division

Lesson (1): Understanding Division:

If 18 plums are divided equally into 3 bags, then how many plums will be in each bag?



If 18 plums are packed 3 to a bag, then how many bags will there be?



Salwa has 35 books. She puts 5 books on each shelf.

How many shelves does she use?



Complete the following table.

	Division Equation	Dividend	Divisor	Quotient	Remainder
a.	20 ÷ 5 = 4				
b.	68 ÷ 7 = 9 R5				





Lesson (2): Using the Area Model to Divide:

Divide: 1,845 ÷ 15 By using the area model

Step 1

Draw a long rectangle and write 15 on the smaller left side of the rectangle.

Step 2

Try to use basic facts and pattern to get close to 1,845

$$15 \times 1 = 15$$
, $15 \times 10 = 150$

$$15 \times 100 = 1,500$$
 [close to 1,845]

• Subtract
$$1,845 - 1,500 = 345$$

Step 3

There are 345 meters left to be divided by 15

$$15 \times 2 = 30$$

$$15 \times 20 = 300$$
 (close to 345)

• Subtract
$$345 - 300 = 45$$

Step 4

Since, there are 45 meters left to be divided by 15

$$15 \times 1 = 15$$
, $15 \times 2 = 30$, $15 \times 3 = 45$ [the same number]

• Subtract:
$$45 - 45 = 0$$

Step **5**

Add the 3 numbers 100 + 20 + 3 = 123

then: $1.845 \div 15 = 123$



Complete each set of multiplication equations





Model Match Choose the correct area model that represents each problem and fill in any missing numbers. Then, use the area model to answer each problem.

Α	100	10	6
	3,622	522	212
31	- 3,100	- 310	<u>- 186</u>
	522	212	26

100 + 10 + 6 = 116 R26

100	50
1,050	350
<u>- 700</u>	<u>- 350</u>
350	0
	1,050 - 700

100 + 50 = 150

C				
	9,234	1,134	324	162
81	-8,100	- 810	- 162	- 162
	1,134	324	162	0



Lesson (3): Using the Partial Quotients Model to Divide:

Divide: 1,845 ÷ 15

Step 1

Draw a begining model as shown.

100

Step 2

Think about the basic facts and patterns to get the closest number to 1,845

$$15 \times 1 = 15$$
, $15 \times 10 = 150$

$$15 \times 100 = 1,500$$
 (close to 1,845)

Step 3

Look at what is remaining of the dividend [345] we need to divide it by 15

$$15 \times 1 = 15$$
, $15 \times 10 = 150$

$$, 15 \times 100 = 1,500$$
 (larger than 345)

then we can use $15 \times 10 = 150$

15 1, 8 4 5

- 1,500

• Write 150 below the remainder [345] and 10 to the right of the vertical line as shown.

Step 4

We still need to divide 195 by 15 so, we can use $15 \times 10 = 150$ and follow the last step as shown.

Subtract: 195 – 150 = 45

Step **5**

At last we need to divide 45 by 15

$$1 \times 15 = 15$$
, $2 \times 15 = 30$

$$3 \times 15 = 45$$
 (the same number)

• Write 45 below 45 (the last remainder) and 3 to the right of the vertical line as shown.





Look at the partial quotients solution for each problem. Fill in the blanks and empty boxes to complete the solution.

a.

	1	1	Ω	R 13
_		_		I/ 12
23)	2, 7	2	7	
-	2, 3	0	0	
	4	2	7	
-	2	3	0	
	1	9	7	
-		6	9	
	1	2	8	
-		6	9	
		5	9	
-		4	6	
		1	3	V

b.

3	2, 4 5	1
-		800
	5	1
-	3 (0
	2	1
_		
		0

C.

		1	3	4	R 23
60)	8,	0	6	3	
_					100
	2,	0	6	3	
1-					30
		2	6	3	
-					4
			2	3	



Lesson (4): Estimating Quotients:

Estimate using compatible numbers.

a. 5,814 ÷ 47 =

c. 1,448 ÷ 48 =

Estimation:

Estimation:

b. 6,397 ÷ 28 =

d. 7,061 ÷ 23 =

Estimation:



Homework

Estimate using compatible numbers.

a. 6,658 ÷ 69 =

Estimation:

b. 1,064 ÷ 19 =

Estimation: —



Choose the correct answer.

1. In the equation $27 \div 3 = 9$, the quotient

is

- **A**. 27
- C. 9

- **B**. 3
- D. zero
- 2. The divisor in the equation $48 \div 6 = 8$

is

- A. 48
- **B**. 6
- **C**. 8

D. zero

- 3. Dividend = Quotient × divisor +
 - A. Dividend
- B. Quotient
- C. Divisor
- **D.** Remainder
- 4. 36 ÷ = 9
 - **A.** 3
- **B.** 4
- **C.** 5

D. 6

- 5. $\div 5 = 9$
 - A. 59C. 45
- **B.** 54
- **D.** 95

- 6. $29 \div 4 = 7 R -$
 - A. zero
- **B**. 1
- **C**. 2

D. 3

- Zero divided by any non-zero number gives ______ as a quotient.
 - A. zero
- B. same number

C. 1

- **D**. 2
- 8. Giovanni needs 36 balloons for the party but balloons come in a pack of 9.

How many packs should he buy?

A. 2

B. 3

C. 4

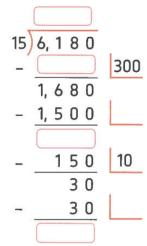
D. 5



Look at the partial quotients solution for each problem. Fill in the blanks and empty boxes to complete the solution.

a.

b.



C.



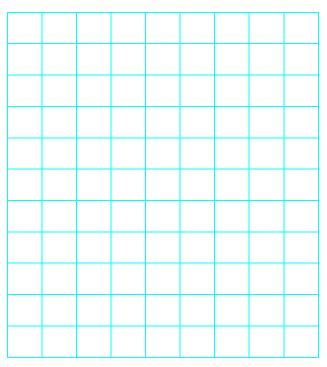


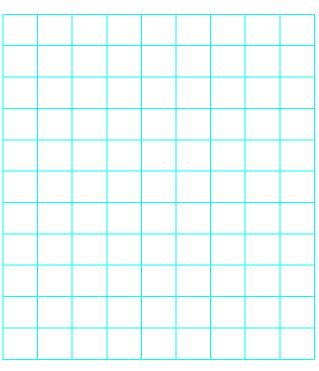
Concept (4-2) Dividing by 2-Digit Divisors

Lesson (5): Using the Standard Algorithm to Divide:

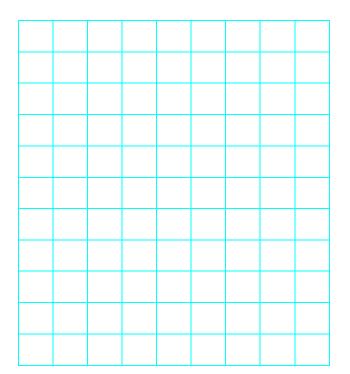
$$1596 \div 3 =$$

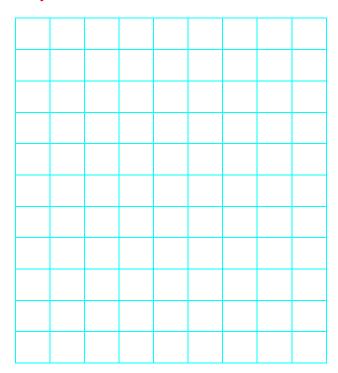


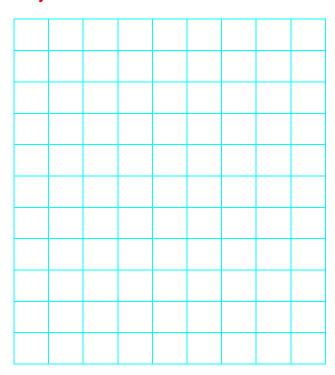




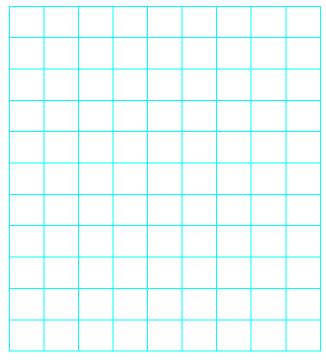


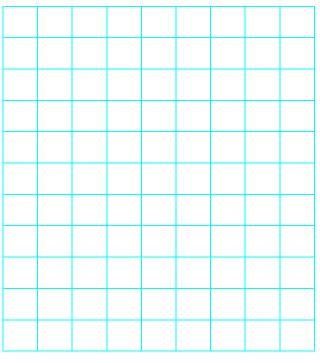
















Lesson (6): Checking Division with Multiplication:

Choose the correct answer.

1. The division equation that matches

$$125 \times 36 = 4,500$$
 is -----

A.
$$4,500 - 125 = 36$$

B.
$$125 \div 36 = 4,500$$

C.
$$4,500 \div 36 = 125$$

D.
$$125 + 36 = 4,500$$

2. Which expression can be used to check the solution of the following division problem?

$$8,668 \div 24 = 361 R 4$$

A.
$$24 \times 361$$

C.
$$361 \times 4 + 24$$

D.
$$24 \times 361 + 4$$



Lesson (7): Multistep Story Problems:

Amgd saved 550 pounds, Bassem saved 3 times as much as Amgd and Sameh saved 900 pounds more than Agmd. How many pounds were saved by all of them?

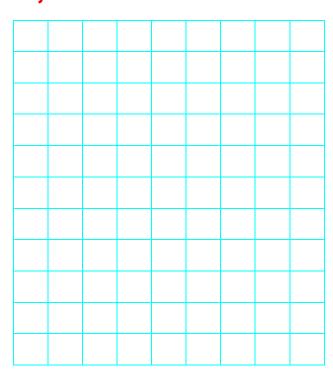


Mom baked a batch of 12 balah el sham. Two balah el sham fell on the floor. If 4 children split the remaining balah el sham equally, how many balah el sham will each child get?

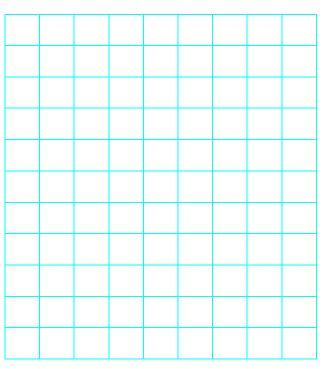




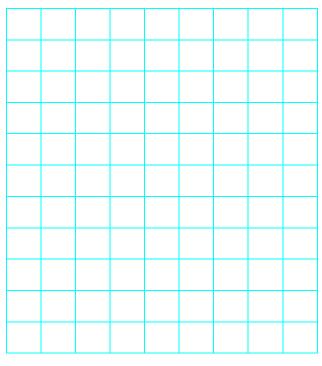
Homework

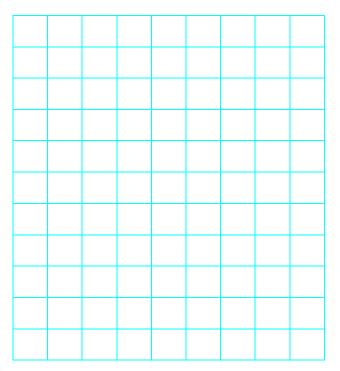


$$1,676 \div 54 =$$













In one year, a textile factory used 11,650 meters of cotton, 4,950 fewer meters of silk than
cotton, and 3,500 fewer meters of wool than silk. How many meters of fabric were used in all



Malek and his family are going on a road trip to his grandmother's house, which is 465 kilometers away. On Friday, they travel 124 km. On Saturday, they traveled 210 km. How many kilometers will they need to travel on Sunday to reach his grandmother's house?





100,000

Concept (5-1) Multiplying Decimals

Lesson (1): Multiplying by Powers of Ten:

Missing Numbers Fill in the missing numbers in each equation.

1 10 100 1,000 10,000

1.
$$496 = 4 \times (A) + 9 \times (B) + 6$$

2.
$$6,140 = 6 \times (C) + 1 \times (D) + 4 \times (E)$$

3.
$$20,403 = 2 \times (F) + 4 \times (G) + 3$$

4.
$$78,594 = 7 \times (H) + 8 \times (I) + 5 \times (J) + 9 \times (K) + 4$$

5.
$$8,032 \times 1,000 = (L)$$



Now fill in the blanks.



Hoda's Stride Hoda's stride is 0.72 meters. How far, in meters, will Hoda walk after taking 1,000 paces? Use words and numbers to explain how you found your answer.

Lesson (2): Multiplying Decimals by Whole Numbers:

Evaluate:

1. 0.3 × 3

2. 0.3 × 4

3. 0.3 × 5

4. 2.5×3

5. 0.35×5



Complete.



Lesson (3): Multiplying Tenths by Tenths:

Evaluate:

3.
$$0.5 \times 0.2 =$$



Lesson (4): Estimating Decimal Products:

1. 24.3 × 1.8 Estimate:

2. 8.2 × 11.5 Estimate:

3. 6.7 × 11.5 Estimate: _____

4. 99.6 × 12.7 Estimate: _____

5. 58.25 × 99.3 Estimate: _____

6. 649.9 × 0.8 Estimate:

7. 47.1 × 33.6 Estimate: _____

8. 450.321 × 2.2 Estimate:

9. 121.352 × 3.8 Estimate:



Lesson (5): Using the Area Model to Multiply Decimals:

1. $80 \times 3 = 240$

 $8 \times 30 = 240$

8 × 3 = _____

 $0.8 \times 3 =$

 $8 \times 0.3 = 2.4$

 $0.8 \times 0.3 =$

 $0.08 \times 0.3 =$

 $0.8 \times 0.03 =$

2. $7 \times 600 = 4,200$

7 × 60 = _____

 $7 \times 6 = 42$

7 × 0.6 = _____

 $7 \times 0.06 = 0.42$

 $0.7 \times 0.6 =$

 $0.7 \times 0.06 =$

0.07 × 0.06 = ____



Homework

Multiply to complete the table.

	1.	2.	3.
×	3	30	300
0.001	A	G	M
0.01	В	H	N
0.1	C	1	O
1	D	J	P
10	E	К	Q
100	F	L	R



Let's Try It Evaluate.



Find the result of each of the following.



Complete.



Find each of the following.

C.

d.



Lesson (6): Multiplying Decimals through the Hundredths Place: Lesson (7): Multiplying Decimals through the Thousandths Place:

The digits of the product for each problem have been provided, but the decimal point is missing. Without multiplying, use your reasoning to place the decimal point correctly in the product.

4,292

28,032

17,172

7,546





Using the Standard Algorithm for Decimal Numbers Find the product for each multiplication problem using the standard algorithm.

1. 29.35

 \times 3.4

8.92

 \times 0.17

43.2

 \times 0.24

4. 1.74

× 35



Find the product for each multiplication problem using the standard algorithm:

a.

2. 4 3

X

6. 9

b.

2 9. 3 5

3. 4

C.

4 7. 8

X

5. 2

-000	
-600	

Compare the products of the following by putting (<,> or =).

a. 0.318×1.5



 3.18×0.15

b. 0.75×0.02



 7.5×0.2

c. 13.6×0.4



 0.136×0.4

d. 7.3×0.28

 0.73×2.8 0.172×0.3

e. 0.342×1.2



 3.42×0.12

f. 172 × 0.003



g. 48.2 × 3.7



 4.82×37





 4.2×15.32



Lesson 1 (the power of ten)

EX1: Solve all the following:

1)
$$90 \times 10 = \dots$$

2)
$$5 \times 10,000 = \dots$$

3)
$$1,000 \times 60 = \dots$$

4)
$$10 \times 10,000 = \dots$$

5)
$$32 \times 100 = \dots$$

EX2: find the missing:

2)
$$1,000 \times 8 = \dots$$

4)
$$\times$$
 12 =1,200

5)
$$\times$$
 10 = 130

Lesson 2 (using the area model to multiply)

Ex1: solve the following using area model:





3)
$$207 \times 13 = \dots$$



Lesson 3 (distributive property of multiplication)

Ex1: complete each of the following:

1)
$$36 \times 14$$

$$= (10 \times) + (10 \times 6) + (4 \times 30) + (4 \times)$$

2)
$$45 \times 16$$

$$= (10 \times) + (10 \times 5) + (6 \times 40) + (6 \times)$$

3)
$$213 \times 12$$

$$=(10\times200)+(10\times...)+(10\times3)+(2\times...)+(2\times10)+(2\times...)$$

Lesson 4 (using the partial product model to multiply)

Ex1: solve each of the following using the partial product strategy:

1) 35

 $(10 \times 30) = \dots$

$$(10 \times 5) = \dots$$

$$(3 \times 30) = \dots$$

$$(3 \times 5) = \dots = \dots$$

2) 115

$$\times$$
 53

$$(50 \times 100) = \dots$$

$$(50 \times 10) = \dots$$

$$(50 \times 5) = \dots$$

$$(3\times100) = \dots$$

$$(3\times10) = \dots$$

$$(3\times5) = \dots = \dots = \dots$$

Lesson5: (what is the algorithm)

Ex1 : solve the following :

1) 78

 $\times 23$

• • • • • • • • • •

2) 86

× 17

.

<u>lesson 6 (multiplying multi-digit numbers)</u>

Ex1 : solve the following :

1) 2378

 $\times 21$

• • • • • • • •

• • • • • • • •

• • • • • • • • • • • • •

2) 8601

 $\times 27$

......

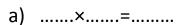
<u>Lesson7(multiplication problems in the real numbers)</u>

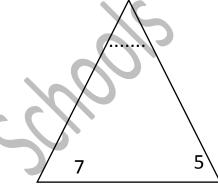
Ex1: Amr ate 2 pieces of pizza each day, the price of each
piece is 7 L.E. how much money will he pay after 120
days ?
Ex2: Alaa sells 12 pies each day, she sells each pie for 5
L.E. how much money she will gain after 150 days?
•••••••••••••••••••••••••••••••••••••••

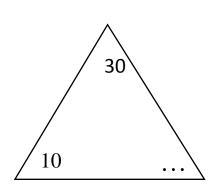
Lesson 1:

Understanding Division









2) Complete and Find the Quotient:

a)
$$8 \div 8 =$$

b)
$$630 \div 7 = \dots$$

c)
$$804 \div 4 = \dots$$

d)
$$6482 \div 2 = \dots$$

e)
$$7070 \div 7 = \dots$$

f)
$$8044 \div 4 = \dots$$

3) Abeer wants to buy books for L.E 69 .if the cost of one book is L.E

3. How many books can she buy?

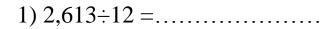
The number of the books that

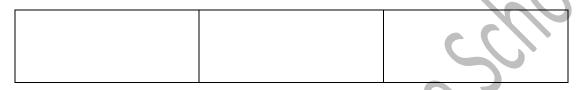
she can buy=.....books.

Lesson 2:

Using the Area model to Divide

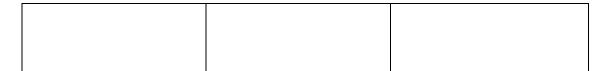
Using the area model to divide:











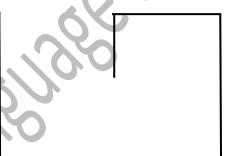
Using the Partial Quotients model to Divide

➤ Using the partial quotients strategy to solve the problems:

$$1536 \div 14 = \dots 6315 \div 19 = \dots$$

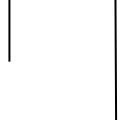












Estimating Quotients

Estimate the solution of each problem and use the appropriate strategy to solve:

1	1.892 ÷67	=
	1 1,000 - 107	

Estimation:

Solution:.....

Estimation:

Solution:.....

Estimation:

Solution:.....

Estimation:

Solution:.....

Using the Standard Algorithm to Divide

Checking Division with multiplication

Solve the problem then check it with multiplication:

1) 4,523÷14=	
2) 2,984÷26=	1800
	07
3) 4256÷ 77=	
4) 4824÷ 8=	

Multistep story problems

solve :

1) A baker made 480 serving of basbosa for a party . if each baking tray
holds 14 servings of basbosa, how many trays will be needed to hold all
the basbosa?
the pasposa i
2) Mom baked a batch of 215 balah el sham . two balah el sham fell on
the floor leaving 10 on the platter, if 13 kids split
the hoor rearing to on the platter,
The remaining balah el sham equally, how many balah el sham will each
child get ?
3) There were 29 girls and 47 boys in a class . the teacher asked them to
work in groups of 12. How many groups were there?

Concept 1: multiplying decimals

Lesson 1: multiplying by power of ten

Complete

- 1) 3 X 3tens =
- 2) 4 X 0.002 =
- 3) 12 X 0.1 =
- 4) 9 X 0.01 =
- 5) 42 X0.01 =
- 6) 54 X 0.001 =
- 7) 15 X 0.1 =
- 8) 16.3 X 10 =
- 9) 17.2 X 100 =
- 10) 47.5 X 10 =
- 11) 3.245 X 100 =
- 12) 125.1 X0.01 =
- 13) 205 X 0.01 =

X	8	80	800
0.001			
0.01			
0.1			
1			
10			
100			

Lesson 2: multiplying decimals by whole numbers.

Complete:

Lesson 3: multiplying tenths by tenths

Complete:

Lesson 4: estimating decimal products.

Complete as an example:

1) 24.7 X 1.9 = Etimate : 25 X 2 = 50

2) 3.5 X 11.5 = Estimate : X =

3) 99.6 X 15.3 = Estimate : X =

4) 24.3 X 5.4 = Estimate : X =

5) 249.6 X 0.5 = Estimate : X =

Food	Actual	Rounded	Quantity	Equation	Running total
item	cost	cost L.E			estimated cost L.E
	L.E			4110	
Milk	8.3		10		
Rice	15.3		20		
Appels	18.5		20		
Oranges	9.3		30		
Onions	5.7		30	•••••	
Chiken	44.4		5		

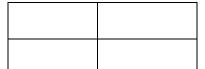
Lesson 5: Using the area model to multiply decimal.

Complete

$$0.7 \times 0.2 = \dots$$

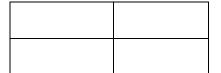
$$0.7 \times 0.02 = \dots$$

Decimal area model

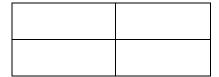




3)2.3 X 4.2 =



4)8.2 X 0.16 =



5)2.15 X 0.35 =



6)16.3 X2.6 =



<u>Lesson 6 : multiplying decimals through the hundredths place.</u>

Find by using the standard algorithm.

1)	49.35	2)	15.4	3)	2.25
X	3.4	X	2.3	X	2.6
				-	3
				00	
				9.0	
4)	27.34	5)	9.37	6)	7.65
X	2.5	X	0.15	X	24
		(\mathcal{O})			
		1			
7)	10.32	8)	25.3	9)	82.5
X	0.62	X	7.2	X	1.5

<u>Lesson 7 : multiplying decimals through the thousandths place.</u>

1)	7.102	2)	6.137	3)	2.421
X	0.15	X	2.5	X	1.5
				C	Clin
4)	9.124	5)	7.178	6)	8.257
X	3.6	X	20	X	1.2
			162		
			3///		
7)	2.423	8)	3.271	9)	60.15
X	2.7	X	3.1	X	1.3
	0)				
(~					